BIOTECHNOLOGY
SYSTEMS
BRANCH

RAW SEQUENCE LISTING
ERROR REPORT
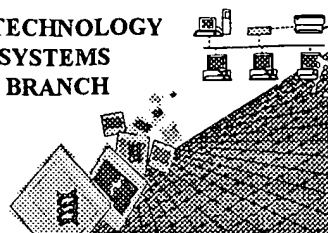
The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _09/672,126A_

Source: _1600_

Date Processed by STIC: _2/20/2003_

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1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

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http://www.uspto.gov/web/offices/pac/checker

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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)**
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Revised 01/29/2002

1600

RAW SEQUENCE LISTING
PATENT APPLICATION: **US/09/672,126A**

DATE: 02/20/2003
TIME: 16:01:24

Input Set : **A:\seqlist.txt**
Output Set: **N:\CRF4\02202003\I672126A.raw**

```
 4 <110> APPLICANT: Hartmann, Gunther
 5        Bratzler, Robert L.
 6        Krieg, Arthur
 9 <120> TITLE OF INVENTION: Methods Related to Immunostimulatory
10        Nucleic Acid-Induced Interferon
13 <130> FILE REFERENCE: C1039/7044
15 <140> CURRENT APPLICATION NUMBER: 09/672,126A
17 <141> CURRENT FILING DATE: 2000-09-27
19 <150> PRIOR APPLICATION NUMBER: 60/156,147
20 <151> PRIOR FILING DATE: 1999-09-29
E--> 22 <160> NUMBER OF SEQ ID NOS: (165) /69 (see p. 2)
24 <170> SOFTWARE: FastSEQ for Windows Version 3.0
```

[handwritten: pp 1-2-3]

[handwritten: Does Not Comply / Corrected Diskette Needed]

ERRORED SEQUENCES

```
1109 <210> SEQ ID NO: 52
1110 <211> LENGTH: (0) 20 shown          --> <212> DNA
1111 <213> ORGANISM: Artificial Sequence
1113 <220> FEATURE:
1114 <223> OTHER INFORMATION: Synthetic Oligonucleotide

1116 <400> SEQUENCE: 52
1117 ATGGAAGGTCCAGCGTTCTC
```

[handwritten annotations: ← insert this mandatory numeric identifier and response]

[handwritten: insert cumulative base total at right margin of each line — 20]

[handwritten: insert a space after each group of 10 nucleotides]

[handwritten: all nucleotides MUST be in lower-case letters, when sequence Listing is in new Sequence Rules format]

<210> 169 *last sequence in submitted file*
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<220>
<221> misc_feature
<222> (4)..(4)
<223> n is 0-20 of any nucleotide   *variable length is not permitted*
                                      (see item 5 on Error
<220>   *Summary Sheet)*
<221> misc_feature
<222> (8)..(8)
<223> n is 0-20 of any nucleotide

<400> 169   11
gggngggngg g

```
<210> 33
     <211> 20
     <212> DNA
     <213> Artificial Sequence
```

delete

FYI Use of n and/or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

Input Set : **A:\seqlist.txt**
Output Set: **N:\CRF4\02202003\I672126A.raw**

L:34 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:38 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:42 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:46 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:50 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:61 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:65 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:76 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:80 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:91 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:95 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:106 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:110 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:121 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:125 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:136 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:140 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:144 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:148 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:152 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:164 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:168 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8
L:179 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:183 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
L:187 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
L:191 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
L:195 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
L:206 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:210 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10
L:214 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10
L:218 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10
L:223 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10
L:234 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:238 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11
L:242 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11
L:246 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11
L:250 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11
L:261 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:265 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12
L:269 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12
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L:277 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12
L:288 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:293 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13
L:297 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13
L:301 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13
L:305 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13
L:317 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!

L:321 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
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L:329 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
L:333 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
L:344 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:348 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15
L:352 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15
L:356 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15
L:360 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15
L:371 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:375 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16
L:379 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16
L:383 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16
L:387 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16
L:398 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:402 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17
L:406 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17
L:410 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17
L:414 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17
L:426 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:453 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:480 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:507 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:534 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:561 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:588 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:615 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:643 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:670 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:697 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:720 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:747 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:774 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:801 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:823 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:33
L:828 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:855 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:882 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:909 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:936 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1116 M:282 E: Numeric Field Identifier Missing, <212> is required.
L:1316 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1837 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2172 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2187 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2222 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2249 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2276 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2303 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!

Input Set : **A:\seqlist.txt**
Output Set: **N:\CRF4\02202003\I672126A.raw**

```
L:2319 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2334 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2349 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2376 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2403 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158 after pos.:0
L:2638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:168 after pos.:0
L:2659 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:169 after pos.:0
L:22 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (165) Counted (169)
```